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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/774,794 | 02/01/2001 | Norman G. Anderson | 41039 | 2626 |
| 7590 | 01/26/2006 | | EXAMINER | |
| John C. Robbins Large Scale Biology Corporation 3333 Vaca Valley Parkway Suite 1000 Vacaville, CA 95688 | | | YANG, NELSON C | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1641 | |
| DATE MAILED: 01/26/2006 | | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|---|------------------------|---------------------|--|
| Advisory Action Before the Filing of an Appeal Brief | Application No. | Applicant(s) | |
| | 09/774,794 | ANDERSON ET AL. | |
| | Examiner | Art Unit | |
| | Nelson Yang | 1641 | |

-The MAILING DATE of this communication appears on the cover sheet with the correspondence address -

THE REPLY FILED 29 November 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

a) The period for reply expires 4 months from the mailing date of the final rejection.
 b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
 (a) They raise new issues that would require further consideration and/or search (see NOTE below);
 (b) They raise the issue of new matter (see NOTE below);
 (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 (d) They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet. (See 37 CFR 1.116 and 41.33(a)).

4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
 5. Applicant's reply has overcome the following rejection(s): _____.
 6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
 7. For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

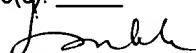
Claim(s) allowed: 82 and 83.

Claim(s) objected to: _____.
 Claim(s) rejected: 16, 18, 22-24 and 84-87.
 Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
 9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
 10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.
 12. Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). _____.
 13. Other: _____.


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 11/20/05

Continuation of 3. NOTE: the amendment of the claims 84 to recite without denaturing proteins would require further consideration.

Continuation of 11. does NOT place the application in condition for allowance because: applicant's arguments have not found persuasive. Applicant argues that the invention is concerned with making a microarray used in a protein binding assay or other biological assay that usually requires the proteins to be not denatured. This is not found persuasive because the prior art is also directed toward biological assays (column1 , lines 10-15), where binding entities are involved (column 11, lines 1-15). Applicant argues that the biomolecules are synthesized in-vitro using conventional combinatorial synthesis, which uses denaturing organic solvents and other denaturing compounds. However, support for applicant's arguments could not be found in Borrelli. Should applicant wish to continue this argument, applicant may wish to provide a reference or some form of evidence that establishes that the techniques used by Borrelli would in fact denature proteins.

Although applicant argues that Borrelli never uses any conditions which would prevent denaturing the proteins, applicant has not provided any evidence that teaches that the conditions in the Borrelli reference would denature proteins, and nowhere in the Borrelli reference is it disclosed that the proteins are denatured as a result of the immobilization techniques. In fact, it would appear that if the biomolecules of Borrelli were to be denatured, it would conflict with the intended purpose of the invention.

With respect to applicant's arguments regarding the 112, first paragraph rejection and the rejections regarding claims 86 and 87, the arguments are found persuasive, and the rejections have been withdrawn.